



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF FORENSIC SCIENCE

CALIBRATION LABORATORY  
A Nationally Accredited Laboratory

737 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

### CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010655  
DATE CERTIFICATION METHOD PERFORMED: June 4, 2015  
DATE RECERTIFICATION DUE: December 1, 2015

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science as required by §9.1-1101 (B)(3). Measurement traceability is established through the use of reference materials supplied by an ISO/IEC 17025:2005 accredited calibration laboratory.

#### Estimation of Uncertainty of Measurement:

0.020 ± 0.004 g/210 L      0.150 ± 0.008 g/210 L  
0.080 ± 0.004 g/210 L      0.250 ± 0.008 g/210 L

The Uncertainty of Measurement is reported at the 99.73% level of confidence and a coverage factor of k=3. The estimation of the Uncertainty of Measurement is calculated for the Certification process only.

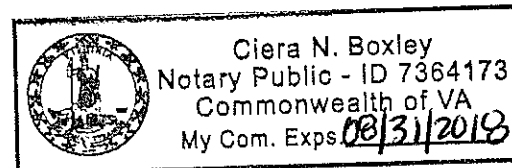
Timmy L. Neece, Jr.  
Forensic Scientist

CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 34th day of June, 2015 by Timmy L. Neece, Jr.

Ciera N. Boxley JPD  
Ciera N. Boxley, Notary Public

My commission expires: August 31, 2018



DBH  
TLN

**Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
6/4/2014 To 6/4/2015**

**Instrument Serial Number: 010655**

**As of 04-Jun-15**

<b>Maintenance</b>	<b>Certification</b>	<b>Technician</b>	
<b>Date</b>	<b>Date</b>	<b>Initials</b>	<b>Remarks</b>
04-Jun-15	04-Jun-15	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
06-Jan-15	06-Jan-15	SED (24178)	REPLACED UPS BACK-UP BATTERY. CERTIFIED.
22-Jul-14	22-Jul-14	SED (24178)	CERTIFIED. REPLACED DRY GAS STANDARD.

DBH  
TW

# INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010655 Worksheet Start Date 6/4/2015  
Location Fort AP Hill  
Address 14115 Montague Rd Fort AP Hill VA 22427  
DFS Technician Donald Hall License No. 21250

☐ Laboratory ☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 758 Reference Barometer (mm HG) 760  
Reference Barometer(RB)Serial # 009109 RB Calibration Due 7/28/2015

## Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.300
0.300	0.299	0.290	0.307	Sample 2	0.301
Precision		sample min	sample max	Sample 3	0.300
0.001		0.300	0.301		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.100
0.100	0.100	0.097	0.103	Sample 2	0.099
Precision		sample min	sample max	Sample 3	0.100
0.001		0.099	0.100		

Dry gas standard Lot No. (with tank no.)

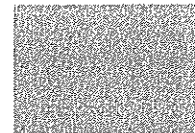
AG332301-16

☒ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies  
Mouthpieces  
Certificates of Analysis  
Operator Worksheet  
Other:



Notes:

Instrument Serial Number

010655

Certification Date

6/4/2015

☐ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.249
0.250	0.249	0.241	0.256	Sample 2	0.249
Precision		sample min	sample max	Sample 3	0.249
0		0.249	0.249		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.149
0.150	0.150	0.145	0.154	Sample 2	0.149
Precision		sample min	sample max	Sample 3	0.150
0.001		0.149	0.150		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.079
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0.001		0.079	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician

*Donald B Hall*

Date

*6/4/15*

Issuing Analyst

*T. J. P.*  
*JPD*

Date

*6/5/15*

DBH  
TW




COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
---	-----------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>HALL, DONALD, B</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>21250</b>	LICENSE EXPIRES <b>10/01/2016</b>	DATE TEST CONDUCTED <b>06/04/2015</b>
TEST EQUIPMENT NUMBER <b>010655</b>		

RESULTS: TIME SAMPLE TAKEN **12:58 EDT**

SAMPLE'S ALCOHOL CONTENT **0.00** GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR
----------------------

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_ OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 04 Jun 2015 at 16:43

DBH  
TWN

## Test Results

Instrument Serial Number 010655

Test # 000200 Subject Test

Test Location 1 Department of  
Test Date 04 Jun 2015

Test Location 2 Forensic Science  
Test Time 12:52  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name HALL  
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

Effective Date 10/01/2014

Expiration Date 10/01/2016

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 04 Jun 2015 End Time 12:59

Result Time 12:58

Result Date 04 Jun 2015 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:52

Data Type BLK

Sample Value 0.000

Sample Time 12:53

Data Type CHK

Sample Value 0.100

Sample Time 12:54

Data Type BLK

Sample Value 0.000

Sample Time 12:55

Data Type SUBJ

Sample Value 0.000

Sample Time 12:56

Data Type BLK

Sample Value 0.000

Sample Time 12:57

Data Type SUBJ

Sample Value 0.000

Sample Time 12:58

Data Type BLK

Sample Value 0.000

Sample Time 12:59

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG320502-11

Standard Expiration Date 07/24/2015

Tank Pressure 120

Barometric Pressure 758 mmHg

Blow Sample Number 1 Blow Duration 3.59 sec

Blow Volume 1900 cc End-of-Blow Time 12:56

Blow Sample Number 2 Blow Duration 3.72 sec

Blow Volume 1936 cc End-of-Blow Time 12:58

Tamper Evident Stamp ff52ed9a

Test Status Code 0

Test Status Success

DBH  
Thw

# **Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010655      Test Number: 201

Test Date: 06/04/2015      Test Time: 13:02 EDT

Dry Gas Target: 0.100

Lot Number: AG320502-11      Exp Date: 07/24/2015

Tank Pressure: 120 psi      Barometric Pressure: 758 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:02
CHK	0.100	13:03
BLK	0.000	13:05
CHK	0.100	13:06
BLK	0.000	13:07
CHK	0.100	13:07

Test Status: *Success*

Calibration CRC: C100879B

Intox EC/IR-II: Accuracy Check

TLN

Department of Forensic Science

Serial Number: 010655 Test Number: 202

Test Date: 06/04/2015 Test Time: 13:12 EDT

Dry Gas Target: 0.299

Lot Number: AG506501-12 Exp Date: 03/06/2017

Tank Pressure: 399 psi Barometric Pressure: 758 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	13:12
CHK	0.303	13:13
BLK	0.000	13:15
CHK	0.302	13:16
BLK	0.000	13:17
CHK	0.302	13:18

Test Status: Success

Calibration CRC: C100879B



**Intox EC/IR-II: Certification***Department of Forensic Science*

Serial Number: 010655      Test Number: 203  
Test Date: 06/04/2015      Test Time: 13:21 EDT

Technician Initials: DBH

Dry Gas Target: 0.249

Lot Number: 16114250I4-01      Exp Date: 07/05/2016

Tank Pressure: 321 psi      Barometric Pressure: 758 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:22
BLK	0.000	13:23
CHK	0.249	13:23
BLK	0.000	13:25
CHK	0.249	13:26
BLK	0.000	13:27
CHK	0.249	13:28
BLK	0.000	13:30

**Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

**Intox EC/IR-II: Certification***Department of Forensic Science*

Serial Number: 010655      Test Number: 204  
Test Date: 06/04/2015      Test Time: 13:32 EDT

Technician Initials: DBH

Dry Gas Target: 0.150

Lot Number: 1611415013-04      Exp Date: 07/05/2016

Tank Pressure: 737 psi      Barometric Pressure: 758 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:32
BLK	0.000	13:33
CHK	0.149	13:34
BLK	0.000	13:36
CHK	0.149	13:36
BLK	0.000	13:38
CHK	0.150	13:39
BLK	0.000	13:40

**Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

DBH  
TLN

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010655      Test Number: 205  
Test Date: 06/04/2015      Test Time: 13:42 EDT

Technician Initials: DBH

Dry Gas Target: 0.080

Lot Number: 16114080I2-03      Exp Date: 07/05/2016

Tank Pressure: 678 psi      Barometric Pressure: 758 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:43
BLK	0.000	13:44
CHK	0.079	13:44
BLK	0.000	13:46
CHK	0.080	13:47
BLK	0.000	13:48
CHK	0.080	13:49
BLK	0.000	13:50

**Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

JD11  
TW

# **Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010655      Test Number: 206  
Test Date: 06/04/2015      Test Time: 13:53 EDT

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 1611402011-02      Exp Date: 07/05/2016

Tank Pressure: 879 psi      Barometric Pressure: 758 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:53
BLK	0.000	13:54
CHK	0.019	13:55
BLK	0.000	13:56
CHK	0.019	13:57
BLK	0.000	13:58
CHK	0.019	13:59
BLK	0.000	14:00

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check

DBH  
TLW

Department of Forensic Science

Serial Number: 010655 Test Number: 207

Test Date: 06/04/2015 Test Time: 14:05 EDT

Dry Gas Target: 0.299

Lot Number: AG506501-12 Exp Date: 03/06/2017

Tank Pressure: 394 psi Barometric Pressure: 758 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	14:05
CHK	0.300	14:06
BLK	0.000	14:08
CHK	0.301	14:09
BLK	0.000	14:10
CHK	0.300	14:11

Test Status: Success

Calibration CRC: C100879B

Intox EC/IR-II: Accuracy Check

DBH  
Th

*Department of Forensic Science*

Serial Number: 010655      Test Number: 208

Test Date: 06/04/2015      Test Time: 14:14 EDT

Dry Gas Target: 0.100

Lot Number: AG332301-16      Exp Date: 11/19/2015

Tank Pressure: 193 psi      Barometric Pressure: 758 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:15
CHK	0.100	14:15
BLK	0.000	14:17
CHK	0.099	14:18
BLK	0.000	14:19
CHK	0.100	14:20

Test Status: *Success*

Calibration CRC: C100879B



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED <b>INSTRUMENT, TEST,</b>	NAME OF COURT <b>DFS</b>
---	-----------------------------

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY <b>HALL, DONALD, B</b>		AGENCY <b>DFS Central Lab</b>
DFS LICENSE NUMBER <b>21250</b>	LICENSE EXPIRES <b>10/01/2016</b>	DATE TEST CONDUCTED <b>06/04/2015</b>
TEST EQUIPMENT NUMBER <b>010655</b>		

RESULTS: TIME SAMPLE TAKEN 14:30 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20 \_\_\_\_\_.

BREATH TEST OPERATOR
----------------------

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_ OPERATOR'S SIGNATURE

DBH  
Tlw



# IntoxNet MIS Report

Report Generated 04 Jun 2015 at 16:43

## Test Results

Instrument Serial Number 010655

Test # 000209 Subject Test

Test Location 1 Department of  
Test Date 04 Jun 2015

Test Location 2 Forensic Science  
Test Time 14:23  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name HALL  
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

Effective Date 10/01/2014

Expiration Date 10/01/2016

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 04 Jun 2015 End Time 14:31

Result Time 14:30

Result Date 04 Jun 2015 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:23

Data Type BLK

Sample Value 0.000

Sample Time 14:24

Data Type CHK

Sample Value 0.099

Sample Time 14:25

Data Type BLK

Sample Value 0.000

Sample Time 14:26

Data Type SUBJ

Sample Value 0.000

Sample Time 14:27

Data Type BLK

Sample Value 0.000

Sample Time 14:28

Data Type SUBJ

Sample Value 0.000

Sample Time 14:30

Data Type BLK

Sample Value 0.000

Sample Time 14:31

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG332301-16

Standard Expiration Date 11/19/2015

Tank Pressure 188

Barometric Pressure 758 mmHg

Blow Sample Number 1 Blow Duration 4.18 sec

Blow Volume 2021 cc End-of-Blow Time 14:27

Blow Sample Number 2 Blow Duration 4.00 sec

Blow Volume 1878 cc End-of-Blow Time 14:30

Tamper Evident Stamp feee8706

Test Status Code 0

Test Status Success